

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P582934

Luminaire Tested: **HCC6S05D010BZ-HM60525927-61WWW**

Issue Date: 9/16/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P582934  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/16/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC6S05D010BZ-HM60525927-61WWW  
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WALLWASH DISTRIBUTION, WHITE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

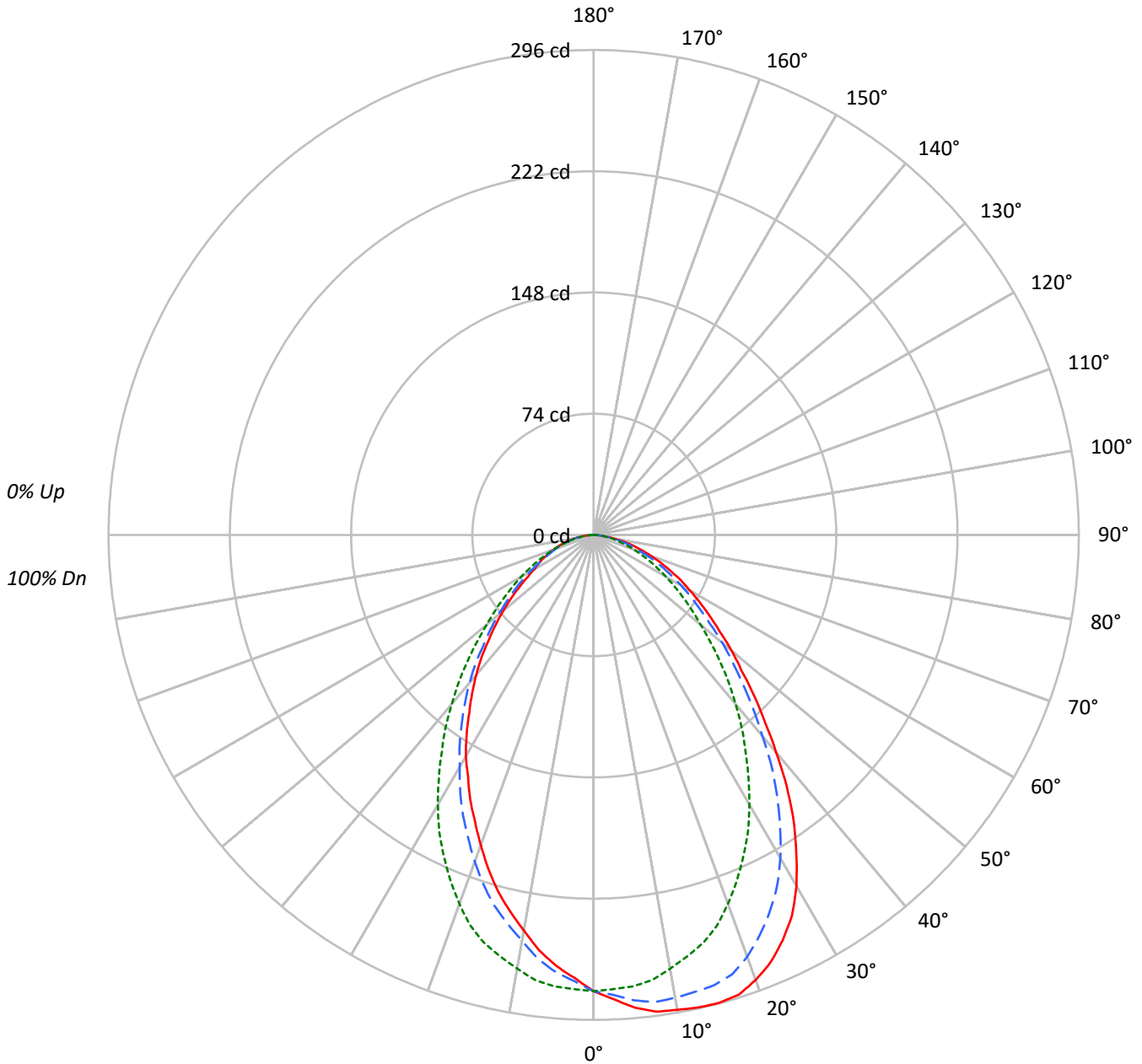
Lumens per Lamp: N/A  
Luminaire Lumens: 518.8 lumens  
Efficiency: N/A  
Efficacy: 86.5 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.06 / 1.14  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P582934  
CATALOG NUMBER: HCC6S05D010BZ-HM60525927-61WWW

### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab  
 1121 Highway 74 South  
 Peachtree City, GA 30269



TEST NUMBER: P582934

CATALOG NUMBER: HCC6S05D010BZ-HM60525927-61WWW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87								
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76								
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66								
4	87	76	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58								
5	81	69	61	55	79	68	61	55	66	60	55	64	59	54	63	58	53	51								
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46								
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42								
8	66	53	46	40	64	53	45	40	51	45	40	50	44	40	49	44	39	38								
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34								
10	58	46	39	34	57	45	38	34	44	38	33	44	38	33	43	37	33	32								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	15267	15267	15267
5°	15942	15221	14522
10°	16382	14963	13649
15°	16782	14637	12787
20°	16866	13978	11744
25°	16507	13083	10773
30°	15661	12033	9869
35°	14228	10815	8854
40°	12395	9632	7965
45°	10722	8427	7001
50°	9364	7258	6141
55°	8277	6375	5266
60°	7434	5592	4561
65°	6654	4864	4423
70°	5947	4151	4151
75°	5168	3495	3897
80°	4136	2968	3567
85°	2830	2579	3082



TEST NUMBER: P582934  
 CATALOG NUMBER: HCC6S05D010BZ-HM60525927-61WWW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.2	5.0
10°-20°	72.8	14.0
20°-30°	101.4	19.5
30°-40°	104.5	20.1
40°-50°	86.6	16.7
50°-60°	62.2	12.0
60°-70°	39.6	7.6
70°-80°	20.4	3.9
80°-90°	5.2	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	200.3	38.6
0°-40°	304.8	58.8
0°-60°	453.7	87.4
0°-90°	518.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	518.8	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	278	278	278	278	278	
5°	290	285	277	268	264	28
15°	296	284	258	234	225	83
25°	273	254	216	189	178	125
35°	213	195	162	140	132	132
45°	138	129	109	95	90	107
55°	87	79	67	59	55	78
65°	51	46	38	33	34	51
75°	24	21	16	17	18	26
85°	4	4	4	4	5	6
90°	0	0	0	0	0	



TEST NUMBER: P582934

CATALOG NUMBER: HCC6S05D010BZ-HM60525927-61WWW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5	278.5
2.5°	283.7	282.6	281.1	279.7	277.4	274.8	272.6	271.8	270.6
5°	289.7	288.3	285.2	281.5	276.6	271.8	267.7	265.0	263.9
7.5°	293.5	291.7	287.5	281.1	274.0	266.9	260.9	257.2	255.6
10°	294.3	292.4	286.8	278.1	268.8	259.0	251.5	247.0	245.2
12.5°	295.4	292.8	285.7	275.5	263.5	252.3	243.0	237.3	235.4
15°	295.7	292.8	284.5	272.1	257.9	244.4	234.2	227.6	225.3
17.5°	294.3	290.9	281.1	266.1	250.1	235.8	223.7	216.6	213.7
20°	289.1	285.2	274.0	257.2	239.6	224.5	212.2	204.6	201.3
22.5°	282.3	277.4	264.6	246.7	228.3	212.6	200.1	192.7	189.3
25°	272.9	268.4	254.1	235.0	216.3	199.8	188.6	180.7	178.1
27.5°	262.0	256.7	242.2	223.1	204.0	187.5	176.5	169.4	166.1
30°	247.4	242.5	227.9	208.8	190.1	174.7	163.4	157.4	155.9
32.5°	230.2	226.0	211.8	193.8	175.8	161.6	152.2	145.8	144.3
35°	212.6	207.7	195.3	178.4	161.6	148.8	140.2	134.6	132.3
37.5°	193.5	188.9	178.4	163.4	148.5	136.5	128.9	124.1	121.8
40°	173.2	169.8	160.0	148.0	134.6	124.1	117.7	113.6	111.3
42.5°	154.5	151.1	144.3	133.1	121.8	112.4	106.8	103.1	101.2
45°	138.3	135.4	128.6	118.9	108.7	100.8	94.8	92.2	90.3
47.5°	122.2	120.7	114.7	105.7	96.4	89.6	85.4	82.5	81.0
50°	109.8	107.9	102.4	93.0	85.1	79.9	76.0	73.4	72.0
52.5°	97.1	95.3	89.9	82.0	75.7	70.9	67.1	64.9	63.4
55°	86.6	85.1	79.4	72.3	66.7	62.6	59.2	56.6	55.1
57.5°	76.8	75.4	70.1	63.4	58.5	54.7	51.8	49.5	47.6
60°	67.8	66.7	61.5	55.1	51.0	47.2	44.6	42.7	41.6
62.5°	60.0	57.7	53.2	47.6	43.8	40.9	38.2	37.1	37.9
65°	51.3	50.3	45.8	40.9	37.5	34.5	32.7	33.3	34.1
67.5°	44.2	42.7	39.0	34.5	31.5	29.3	28.1	29.6	29.9
70°	37.1	35.6	32.2	28.5	25.9	24.4	24.4	25.5	25.9
72.5°	30.4	29.3	26.2	23.3	21.4	20.2	21.0	21.7	22.1
75°	24.4	23.3	21.0	18.4	16.5	16.5	17.3	18.0	18.4
77.5°	18.8	18.0	15.7	13.9	13.1	13.1	13.9	14.2	14.6
80°	13.1	12.3	11.3	10.2	9.4	10.2	10.8	10.8	11.3
82.5°	8.6	8.2	7.5	6.8	6.8	7.1	7.5	7.9	7.9
85°	4.5	4.5	4.1	3.7	4.1	4.5	4.5	4.9	4.9
87.5°	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°    - - 45°-225°    - - - - 90°-270°

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)